Global Knowledge ™

JNCIE-SEC Bootcamp

Duration: 5 Days   Course Code: JNCIE-SEC   Version: 15.a

Overview:

This five-day course is designed to serve as the ultimate preparation for the Juniper Networks Certified Internet Expert—Security (JNCIE-SEC) exam. The course focuses on caveats and tips useful for potential test candidates and emphasizes hands-on practice through a series of timed lab simulations. On the final day of the course, students are given a six hour lab simulation emulating the testing topics and environment from the real exam. This course is based on Junos OS Release 15.1X49-D50.3 for SRX Series devices. JNCIE Security Bootcamp (JNCIE-SEC) is an advanced-level course.

Target Audience:

This course benefits individuals who have already honed their skills on enterprise security technologies and could use some practice and tips in preparation for the JNCIE-SEC exam.

Objectives:

- **After successfully completing this course, you should:**

- Be better prepared for success in taking the actual JNCIE-SEC exam.

- Be well-versed in exam topics, environment, and conditions.

Prerequisites:

Students should have passed the Juniper Networks Certified Internet Professional—Security (JNCIP-SEC) written exam or achieved an equal level of expertise through Education Services courseware and hands-on experience**.**

Content:

Chapter 1: Course Introduction

Chapter 2: Exam Strategies

- Preparing for Your Exam
- The Testing Environment
- State of the Network
- Testing Tips
- Exam Completion

Chapter 3: Infrastructure Concepts

- NTP
- Syslog
- User Accounts and Authentication
- Security Zones
- Services
- Infrastructure and Zones Lab

Chapter 4: Building Clusters

- Chassis Clusters
- Node/Redundancy/RETH Groups
- Active/Passive vs. Active/Active
- Failover
- Creating Clusters Lab

Chapter 5: Security Policies

- Policy Configuration
- Advanced Policy Options
- Schedulers
- ALGs
- Authorization
- Bypass Flow Forwarding
- Logging
- Building Security Policies Lab

Chapter 6: IPsec VPNs

- Policy-based IPsec VPNs
- Route-based IPsec VPNs
- NHTB
- Dynamic Routing over IPsec VPNs
- Certificate-based IPsec VPNs
- Public Key Infrastructure
- Traceoptions
- Interoperability
- Building IPsec VPNs Lab

Chapter 7: Network Address Translation

- Source NAT
- Destination NAT
- Static NAT
- Overlapping IP addresses
- Proxy ARP
- NAT Interaction with Security Policies
- Network Address Translation Lab

Chapter 8: Attack Prevention

- IDP Logging
- IDP Custom Policies
- IDP Automatic Updates
- Stateless Filters
- Flow Options
- Attack Prevention Lab

Chapter 9: Unified Threat Management and Screen Options

- Anti-virus
- Web Filtering
- Screen Options
- UTM and Screen Options Lab

Chapter 10: Extended Implementation Concepts

- Transparent Mode
- Filter-based Forwarding
- Extended Implementations Lab

Final Day

- JNCIE-SEC Full Lab Simulation

Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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